

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. – 12. (cancelled)

13. (original) A method for producing, in the interior space of a motor vehicle, sounds that depend upon the operation of an internal combustion engine, said method including the steps of:

B detecting fluctuations in pressure in the fresh air stream supplied to the engine, wherein said fluctuations are caused by an intake of the cylinder or cylinders of said engine;

converting said fluctuations into signals; and

making said signals audible via at least one speaker disposed in said interior vehicle space.

14. (original) An apparatus for producing, in the interior space of a motor vehicle, sounds that depend upon the operation of an internal combustion engine, said apparatus comprising:

a pressure sensor for detecting fluctuations in pressure in a fresh air stream to said engine, wherein said fluctuations are caused by an intake of the cylinder or cylinders of said engine;

an amplification device for amplifying output signals of said pressure sensor; and

at least one speaker disposed in said interior vehicle space and connected to said amplification device for reproducing amplified output signals.

15. (original) An apparatus according to claim 14, wherein said pressure sensor is arranged in such a way that it detects fluctuations in said fresh air stream upstream of a load controlling member of said internal combustion engine that is disposed in said fresh air stream.

16. (original) An apparatus according to claim 14, wherein said pressure sensor is a differential pressure sensor.

17. (original) An apparatus according to claim 14, wherein said pressure sensor is a pressure sensor that is sensitive for a frequency range of from 1 Hz to 10 kHz.

B 18. (original) An apparatus according to claim 14, wherein said amplification device contains a filter device for frequency-selective processing of output signals of said pressure sensor.

19. (original) An apparatus according to claim 18, wherein said filter device attenuates frequencies over 300 Hz.

20. (original) An apparatus according to claim 18, wherein said filter device attenuates frequencies below 30 Hz.

21. (original) An apparatus according to claim 14, wherein a modulation device is provided for altering characteristics of said amplification device.

22. (original) An apparatus according to claim 21, wherein said amplification device contains an active module, and wherein said modulation device contains a component for triggering said active module.

23. (original) An apparatus according to claim 14, wherein for a multi-cylinder internal combustion engine, said pressure sensor is disposed at a location at which it detects a fresh air stream that is supplied to all cylinders.

24. (original) An apparatus according to claim 14, wherein said internal combustion engine has an intake manifold that is provided with a hole, wherein said pressure sensor is provided with an input window, and wherein said pressure sensor is mounted on said intake manifold such that said input window is adjacent to said hole of said intake manifold.

25. (new) A method comprising:

detecting pressure fluctuations inside an air intake conduit in communication with an engine of a vehicle,

generating signals representative of engine sounds based upon said detected pressure fluctuations, and

making engine sounds audible inside a cabin of the vehicle by communicating said signals to at least one speaker.

26. (new) A method as in claim 25, wherein the pressure fluctuations are detected by a piezoelectric element.

27. (new) A method as in claim 26, wherein the piezoelectric element has a frequency range of about 1-10 Hz.

28. (new) An apparatus comprising:

a pressure sensor arranged and constructed to detect pressure fluctuations inside an air intake conduit that is in communication with an engine of a vehicle,

an amplifier in communication with the pressure sensor and being arranged and constructed to generate signals representative of engine sounds based upon said pressure fluctuations detected by the pressure sensor, and

at least one speaker disposed so as to make said engine sounds audible inside a cabin of the vehicle, said at least one speaker being arranged and constructed to receive said signals generated by the amplifier.

29. (new) An apparatus as in claim 28, wherein the pressure sensor comprises a piezoelectric element.

30. (new) An apparatus as in claim 29, wherein the pressure sensor has a frequency range of about 1-10 Hz.

31. (new) An apparatus as in claim 30, further comprising:
a filter disposed between the pressure sensor and the amplifier, and
a modulator arranged and constructed to adjust the frequency range of the filter.

32. (new) An apparatus as in claim 31, wherein the modulator is also arranged and constructed to adjust the amplification factor of the amplifier.
